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**ENGLISH TRANSLATION OF
AMENDMENT TO THE CLAIMS**

CLAIMS

1. (Amended) A communication system, comprising a first access router belonging to a first subnet and a 5 second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being connected via IP network, and a mobile terminal is connected to said first subnet or said second subnet via radio 10 communication, wherein:

the mobile terminal connected to said first subnet requests a link local address of said second access router or of a default router in said second subnet to said first access router under the condition being 15 connected to said first subnet after deciding the execution of handover to said second subnet; and said first access router is arranged to provide information included in an RA message sent in said second subnet by said second access router or said 20 default router together with said link local address to said mobile terminal.

2. (Amended) The communication system according to claim 1, wherein said mobile terminal is arranged to 25 refer to said link local address when transmitting

packet to outside of said second subnet after executing the handover from said first subnet to said second subnet.

5 3. (Amended) The communication system according to claim 1, wherein said mobile terminal is arranged to request said link local address to said first access router when transmitting a message P to request information relating to said second access router.

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4. (Amended) The communication system according to claim 3, wherein said mobile terminal is arranged to add information to instruct a request of said link local address in said message P or to transmit information to 15 request said link local address different from said message P to said first access router, said first access router acquires said link local address relating to a subnet specified by information in said message P, and specified by at least one of information to request said 20 link local address and information in said message P received from said mobile terminal, and transmits a message Q or a notifying message different from said message Q to said mobile terminal by incorporating said link local address in the message Q, which is a response 25 message of said message P, or the notifying message

different from said message Q.

5. (Amended) A communication system, comprising a first access router belonging to a first subnet and a 5 second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being connected via IP network, and a mobile terminal is connected to said first subnet or said second subnet via radio 10 communication, wherein:

the mobile terminal connected to said first subnet requests a link local address of said second access router or of a default router in said second subnet to said first access router under the condition being 15 connected to said first subnet after deciding the execution of handover to said second subnet; and

said first access router acquires said link local address relating to the subnet specified by information in a message P when the message P to request information 20 relating to said second access router is received from said mobile terminal and transmits a message Q including said link local address to said mobile terminal by incorporating said link local address in the message Q, which is a response message of said message P.

6. (Amended) A communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access 5 router and said second access router being connected via IP network, and a mobile terminal is connected to said first subnet or said second subnet via radio communication, wherein:

the mobile terminal connected to said first subnet 10 requests a link local address of said second access router or of a default router in said second subnet to said first access router under the condition being connected to said first subnet after deciding the execution of handover to said second subnet; and 15 said first access router acquires said link local address relating to the subnet specified by information in a message P when the message P to request information relating to said second access router is received from said mobile terminal, and transmits a notifying message 20 including said link local address to said mobile terminal by incorporating said link local address in the notifying message different from the message Q, which is a response message of said message P.

25 7. (Amended) A communication system, comprising a

first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being connected via 5 IP network, and a mobile terminal is connected to said first subnet or said second subnet via radio communication, wherein:

the mobile terminal connected to said first subnet is arranged to request a link local address of said 10 second access router or of a default router in said second subnet to said first access router when transmitting a message R to request to forward a packet addressed to said mobile terminal to said second access router under the condition being connected to said first 15 subnet after deciding the execution of the handover to said second subnet; and

said first access router is arranged to provide said link local address to said mobile terminal.

20 8. (Amended) The communication system according to claim 7, wherein said mobile terminal is arranged to add information to instruct a request of said link local address in said message R or to transmit information to request said link local address different from said 25 message R to said first access router, said first access

router acquires said link local address relating to the subnet specified by at least one of information in said message R, a message P to request information relating to said second access router, and information 5 in said message P received from said mobile terminal already before the receiving of said message R, and is arranged to transmit a message S including said link local address to said mobile terminal by incorporating said link local address in the message S, which is a 10 response message of said message R.

9. (Amended) The communication system according to claim 8, wherein said mobile terminal is arranged to transmit information to request said link local address 15 different from said message R to said first access router; and

 said first access router is arranged to request said link local address to said second access router when transmitting a message T to request the initiation of 20 handover processing relating to said mobile terminal.

10. (Amended) The communication system according to claim 8, wherein said mobile terminal is arranged to transmit information to request said link local address 25 different from said message R to said first access

router; and

 said second access router is arranged to acquire
 said link local address relating to said second subnet,
 to which said second access router belongs, when said
5 message T is received from said first access router, and
 to transmit a message U or a notifying message different
 from said message U to said first access router by
 incorporating said link local address in the message U,
 which is a response message of said message T or in the
10 notifying message different from said message U.

11. (Amended) The communication system according to
 claim 7, wherein said mobile terminal is arranged to add
 information to instruct a request of said link local
15 address in said message R or to transmit information to
 request said link local address different from said
 message R to said first access router, said first access
 router is arranged to acquire said link local address
 relating to the subnet specified by at least one of
20 information to request said link local address,
 information in said message R received from said mobile
 terminal, information in said message R received from
 said mobile terminal, a message P to request information
 relating to said second access, router, and information
25 in said message P received from said mobile terminal

already before the receiving of said message R, and transmits said notifying message including said link local address by incorporating said link local address in the notifying message different from the message S, 5 which is a response message of said message R.

12. (Amended) The communication system according to claim 11, wherein said mobile terminal is arranged to add information to request said link local address in 10 said message R, and said first access router is arranged to request said link local address to said second access router when transmitting the message T to request the initiation of handover processing relating to said mobile terminal.

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13. (Amended) The communication system according to claim 12, wherein said first access router is arranged to add information to indicate a request of said link local address in said message T or to transmit 20 information to request said link local address different from said message T to said second access router, and said second access router is arranged to acquire said link local address relating to said second subnet, to which said second access router belongs, and to transmit 25 a message U or a notifying message different from said

message U to said first access router by incorporating said link local address in the message U, which is a response message of said message T, or in the notifying message different from said message U.

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14. (Amended) The communication system according to claim 11, wherein said mobile terminal is arranged to add information to indicate a request of said link local address in said message R; and

10 said second access router is arranged to acquire said link local address relating to said second subnet, to which said second access router belongs, when said message T is received from said first access router, and to transmit a message U or a notifying message different
15 from said message U to said first access router by incorporating said link local address in the message U, which is a response message of said message T, or in the notifying message different from said message U.

20 15. (Amended) A communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being connected via
25 IP network, and a mobile terminal is connected to said

first subnet or said second subnet via radio communication, wherein:

the mobile terminal connected to said first subnet requests a link local address of said second access 5 router or of a default router in said second subnet to said first access router under the condition being connected to said first subnet after deciding the execution of handover to said second subnet; and

when the message R to request information relating 10 to said second access router is received from said mobile terminal, said first access router acquires said link local address relating to the subnet specified by at least one of information in said message R, a message P to request information relating to said second access 15 router, and information in said message P received from said mobile terminal already before the receiving of said message R, and to transmit a message S or a notifying message different from said message S to said mobile terminal by incorporating said link local address 20 in the message S, which is a response message of said message R, or in a notifying message different from said message S.

16. (Amended) A communication system, comprising a 25 first access router belonging to a first subnet and a

second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being connected via IP network, and a mobile terminal is connected to said 5 first subnet or said second subnet via radio communication, wherein:

under the condition that said mobile terminal is connected to said first subnet, said first access router is arranged to transmit a message W to instruct the 10 execution of handover to said second subnet, which includes said link local address of said second access router or of a default router in said second subnet, to said mobile terminal.

15 17. (Amended) The communication system according to claim 16, wherein said first access router is arranged to provide information included in an RA message sent in said second subnet by said second access router or said default router together with said link local address to 20 said mobile terminal.

18. (Amended) The communication system according to claim 16, wherein said mobile terminal is arranged to refer to said link local address when transmitting a 25 packet to outside of said second subnet after executing

the handover from said first subnet to said second subnet.

19. (Amended) A mobile terminal in a communication
5 system, comprising a first access router belonging to a
first subnet and a second access router belonging to a
second subnet different from said first subnet, said
first access router and said second access router being
connected via IP network, a mobile terminal arranged to
10 be connected to said first subnet or said second subnet
via radio communication, wherein there are provided:

means for requesting a link local address of said
second access router or of a default router in said
second subnet to said first access router under the
15 condition being connected to said first subnet when the
handover is executed from said first subnet to said
second subnet;

means for receiving said link local address from
said first access router; and

20 means for referring to said link local address when
a packet is transmitted to outside of the said second
subnet after executing the handover from said first
subnet to said second subnet.

25 20. (Amended) A mobile terminal in a communication

system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being 5 connected via IP network, a mobile terminal arranged to be connected to said first subnet or said second subnet via radio communication, wherein there are provided:

means for requesting a link local address of said second access router or of a default router in said 10 second subnet to said first access router when transmitting the message P to request information relating to said second access router under the condition being connected to said first subnet in case the handover is executed from said first subnet to said 15 second subnet; and

means for receiving said link local address from said first access router.

21. (Amended) The mobile terminal according to claim 20, wherein there are provided:

means for adding information to instruct a request of said link local address in said message P or means for generating information to request said link local address different from said message P and for 25 transmitting it to said first access router;

means for receiving a message Q including said link local address and being a response message of said message P, or a notifying message different from said message Q and including said link local address
5 from said first access router; and

means for extracting said link local address from said message Q or from said notifying message different from said message Q.

10 22. (Amended) A mobile terminal in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being
15 connected via IP network, a mobile terminal arranged to be connected to said first subnet or said second subnet via radio communication, wherein there are provided:

means for requesting a link local address of said second access router or of a default router in said
20 second subnet to said first access router under the condition being connected to said first subnet when executing the handover from said first subnet to said second subnet;

means for receiving a message Q including said link local address, which is a response message of said
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message P, or a notifying message different from said message Q and including said link local address from said first access router as a response after transmitting the message P to request information 5 relating to said second access router; and means for extracting said link local address from said message Q or from said notifying message.

23. (Amended) A mobile terminal in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being connected via IP network, a mobile terminal arranged to 10 be connected to said first subnet or said second subnet via radio communication, wherein there are provided: means for requesting a link local address of said second access router or of a default router in said second subnet to said first access router when 15 transmitting a message R to request to forward a packet addressed to said mobile terminal to said second access router under the condition connected to said first subnet when executing the handover from said first subnet to said second subnet; and 20 means for receiving said link local address from 25

said first access router.

24. (Amended) The mobile terminal according to claim 23, wherein there are provided:

5 means for adding information to instruct a request of said link local address in said message R, or means for generating information to request said link local address different from said message R and for transmitting it to said first access router;

10 means for receiving a message S including said link local address and being a response message of said message R or a notifying message different from said message S and including said link local address from said first access router; and

15 means for extracting said link local address from said message S or from said notifying message different from said message S.

25. (Amended) A mobile terminal in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being connected via IP network, a mobile terminal arranged to 25 be connected to said first subnet or said second subnet

via radio communication, wherein there are provided:

means for requesting a link local address of said second access router or of a default router in said second subnet to said first access router under the 5 condition being connected to said first subnet when executing the handover from said first subnet to said second subnet;

means for receiving a message S including said link local address and being a response message of said 10 message R or a notifying message including said link local address and a notifying message different from said message S from said first access router as a response after transmitting the message R to request to forward a packet addressed to said mobile terminal to 15 said second access router; and

means for extracting said link local address from said message S or from said notifying message different from said message S.

20 26. (Amended) A mobile terminal in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being 25 connected via IP network, a mobile terminal arranged to

be connected to said first subnet or said second subnet via radio communication, wherein there is provided means for receiving a message W to instruct the execution of handover to said second subnet and

5 including said link local address of said second access router or of a default router in said second subnet from said first access router.

27. (Amended) The mobile terminal according to claim

10 26, wherein there is provided means for receiving information included in an RA message sent in said second subnet by said second access router or said default router from said first access router.

15 28. (Amended) The mobile terminal according to claim

26, wherein there is provided means for referring to said link local address when transmitting a packet to outside of said second subnet after executing the handover from said first subnet to said second subnet.

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29. (Amended) An access router in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said

25 first access router and said second access router being

connected via IP network, said access router being connected to said mobile terminal via radio communication, wherein there are provided:

means for receiving a request of a link local
5 address of said second access router or a default router in said second subnet from said mobile terminal connected to said first subnet and deciding that handover is executed to said second subnet;

means for acquiring said link local address; and
10 means for providing information included in an RA message sent in said second subnet by said second access router or by said default router together with said link local address to said mobile terminal.

15 30. (Amended) An access router in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being
20 connected via IP network, said access router being connected to said mobile terminal via radio communication, wherein there are provided:

means for receiving a request of a link local address of said second access router or of a default
25 router in said second subnet from said mobile terminal

connected to said first subnet and deciding the execution of handover to said second subnet when receiving a message P to request information relating to said second access router from said mobile terminal;

5 means for acquiring said link local address; and means for providing said link local address to said mobile terminal.

31. (Amended) The access router according to claim 30,
10 wherein there are provided:

means for acquiring said link local address relating to a subnet specified by at least one of information in said message P when information to instruct a request of said link local address added in said message P is
15 received as a request of said link local address from said mobile terminal, and by at least one of information to request said link local address and information in said message P received from said mobile terminal when information to request said link local address different
20 from said message P is received; and

means for generating a message Q or a notifying message different from said message Q by incorporating said link local address in the message Q, which is a response message of said message P, or in a notifying
25 message different from said message Q, and for

transmitting said message Q or said notifying message different from said message Q to said mobile terminal.

32. (Amended) An access router in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being connected via IP network, said access router being connected to said mobile terminal via radio communication, wherein there are provided:

means for receiving a request of a link local address of said second access router or of a default router in said second subnet from said mobile terminal connected to said first subnet and deciding the execution of handover to said second subnet;

means for acquiring said link local address relating to a subnet specified by information in a message P when the message P to request information relating to said second access router is received from said mobile terminal; and

means for generating a message Q or a notifying message different from said message Q by incorporating said link local address in said message Q or in the notifying message different from said message Q, which

is a response message of said message P, and for transmitting said message Q or said notifying message different from said message Q to said mobile terminal.

5 33. (Amended) An access router in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being 10 connected via IP network, said access router being connected to said mobile terminal via radio communication, wherein there are provided:

means for receiving a link local address of said second access router or of a default router in said 15 second subnet when a message R to request to forward a packet addressed to said mobile terminal from said mobile terminal to said second access router is received from said mobile terminal, which is connected to said first subnet and deciding the execution of handover to 20 said second subnet;

means for acquiring said link local address; and means for providing said link local address to said mobile terminal.

25 34. (Amended) The access router according to claim 33,

wherein there are provided:

means for acquiring said link local address relating to a subnet specified by at least one of information in said message P, a message P to request 5 information relating to said second access router, and information in said message P received from said mobile terminal already before the receiving of said message R when information to request said link local address added in said message R is received as a request of said 10 link local address from said mobile terminal, or a subnet specified by at least one of information in said message R received from said mobile terminal, information in said message R received from said mobile terminal, a message P to request information relating to 15 said second access router, and information in said message P received from said mobile terminal already before the receiving of said message R when information to request said link local address different from said message R is received; and

20 means for generating a message S including said link local address by incorporating said link local address in the message S, which is a response message of said message R, and for transmitting said message S to said mobile terminal.

35. (Amended) The access router according to claim 34, wherein there is provided means for requesting said link local address to said second access router when transmitting a message T to request the initiation 5 of the handover processing relating to said mobile terminal in case information to request said link local address added in said message R is received as a request of said link local address from said mobile terminal.

10 36. (Amended) The access router according to claim 35, wherein there are provided:

means for adding information to request said link local address in said message T or means for generating information to request said link local address different 15 from said message T, and for transmitting it to said second access router;

means for receiving a message U, being a response message of said message T and including said link local address or said notifying message including said link 20 local address; and

means for extracting said link local address from said message U or said notifying message.

37. (Amended) The access router according to claim 34, 25 wherein there are provided:

means for receiving a message U including said link local address and being a response message of said message T or a notifying message including said link local address from said second access router as a 5 response after transmitting said message T when information to request said link local address added in the message R is received as a request of said link local address from said mobile terminal; and means for extracting said link local address from 10 said message U or from said notifying message.

38. (Amended) The access router according to claim 33, wherein there are provided:

means for acquiring said link local address relating 15 to a subnet specified by at least one of information in said message R, a message P to request information relating to said second access router, and information in said message P received from said mobile terminal already before the receiving of said message R in case 20 information to request said link local address added in said message R is received as a request of said link local address from said mobile terminal, or a subnet specified by at least one of information to request said link local address, information in said message R 25 received from said mobile terminal, a message P to

request information relating to said second access router, and information in said message P received from said mobile terminal already received before the receiving of said message R in case information to 5 request said link local address different from said message R is received; and

means for generating said notifying message including said link local address by incorporating said link local address in a notifying message different from 10 a message S, which is a response message of said message R, and for transmitting said notifying message to said mobile terminal.

39. (Amended) The access router according to claim 38, 15 wherein there is provided means for requesting said link local address to said second access router when transmitting a message T to request the initiation of the handover processing relating to said mobile terminal in case information to request said link local address 20 added in said message R is received as a request of said link local address from said mobile terminal.

40. (Amended) The access router according to claim 38, wherein there are provided:

25 means for receiving a message U being a response

message of said message T and including said link local address from said second access router as a response after transmitting said message T in case information to request said link local address added in 5 said message R is received as a request of said link local address from said mobile terminal; and means for extracting said link local address from said message U or from said notifying message.

10 41. (Amended) An access router in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being 15 connected via IP network, said access router being connected to said mobile terminal via radio communication, wherein there are provided:

means for receiving a request of a link local address of said second access router or of a default 20 router in said second subnet from said mobile terminal connected to said first subnet and deciding the execution of handover to said second subnet; means for acquiring said link local address relating to a subnet specified by at least one of information in 25 said message R, a message P to request information

relating to said second access router, and information
in said message P received from said mobile terminal
already before the receiving of said message R; and
means for generating a message S or a notifying
5 message different from the message S by incorporating
said link local address in the message S, which is a
response message of said message R, or in the notifying
message different from the message S, and for
transmitting said message S or said notifying message
10 different from the message S to said mobile terminal.

42. (Amended) An access router in a communication
system, comprising a first access router belonging to a
first subnet and a second access router belonging to a
15 second subnet different from said first subnet, said
first access router and said second access router being
connected via IP network, said access router being
connected to said mobile terminal via radio
communication, wherein there are provided:
20 means for receiving a request of a link local
address of said second access router or of a default
router in said second subnet from said mobile terminal
connected to said first subnet and deciding the
execution of handover to said second subnet;
25 means for acquiring said link local address; and

means for transmitting a message including said link local address and for instructing the execution of handover to said second subnet to said mobile terminal.

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43. (Amended) The access router according to claim 42, wherein there is provided means for giving information included in an RA message sent in said second subnet by said second access router or said default router 10 together with said link local address to said mobile terminal.

44. (Amended) An access router, comprising a second access router belonging to a second subnet different 15 from a first subnet, to which a first access router belongs, said second access router being connected with said first access router via IP network, and being connected to a mobile terminal via radio communication, wherein there is provided:

20 means for receiving a request of said link local address of said second access router or of a default router in said second subnet from said first access router when a message T to request the initiation of the handover processing relating to said mobile terminal 25 from said first access router is received.

45. (Amended) The access router according to claim 44, wherein it is so arranged that information included in an RA message sent in said second subnet by said 5 second access router or said default router is provided together with said link local address to said first access router.

46. (Amended) The access router according to claim 44, 10 wherein there are provided:

means for receiving information to instruct a request of said link local address added in said message T as a request of said link local address from said first access router or for receiving information to 15 request said link local address different from said message T;

means for acquiring said link local address in case said message T added with information to instruct a request of said link local address is received from said 20 first access router or in case information to request said link local address is received from said first access router; and

means for generating said message U or said notifying message different from said message U 25 including said link local address by incorporating said

link local address in the message U, which is a response message of said message T, or a notifying message different from said message U, and for transmitting said message U or said notifying message 5 different from said message U to said first access router.

47. (Amended) The access router according to claim 44, wherein there are provided:
10 means for acquiring said link local address in case said message T is received from said first access router; and
means for generating a message U or a notifying message different from said message U by incorporating 15 said link local address in the message U, which is a response message of said message T, or in the notifying message different from said message U, and for transmitting said message U or said notifying message different from the message U to said first access router.